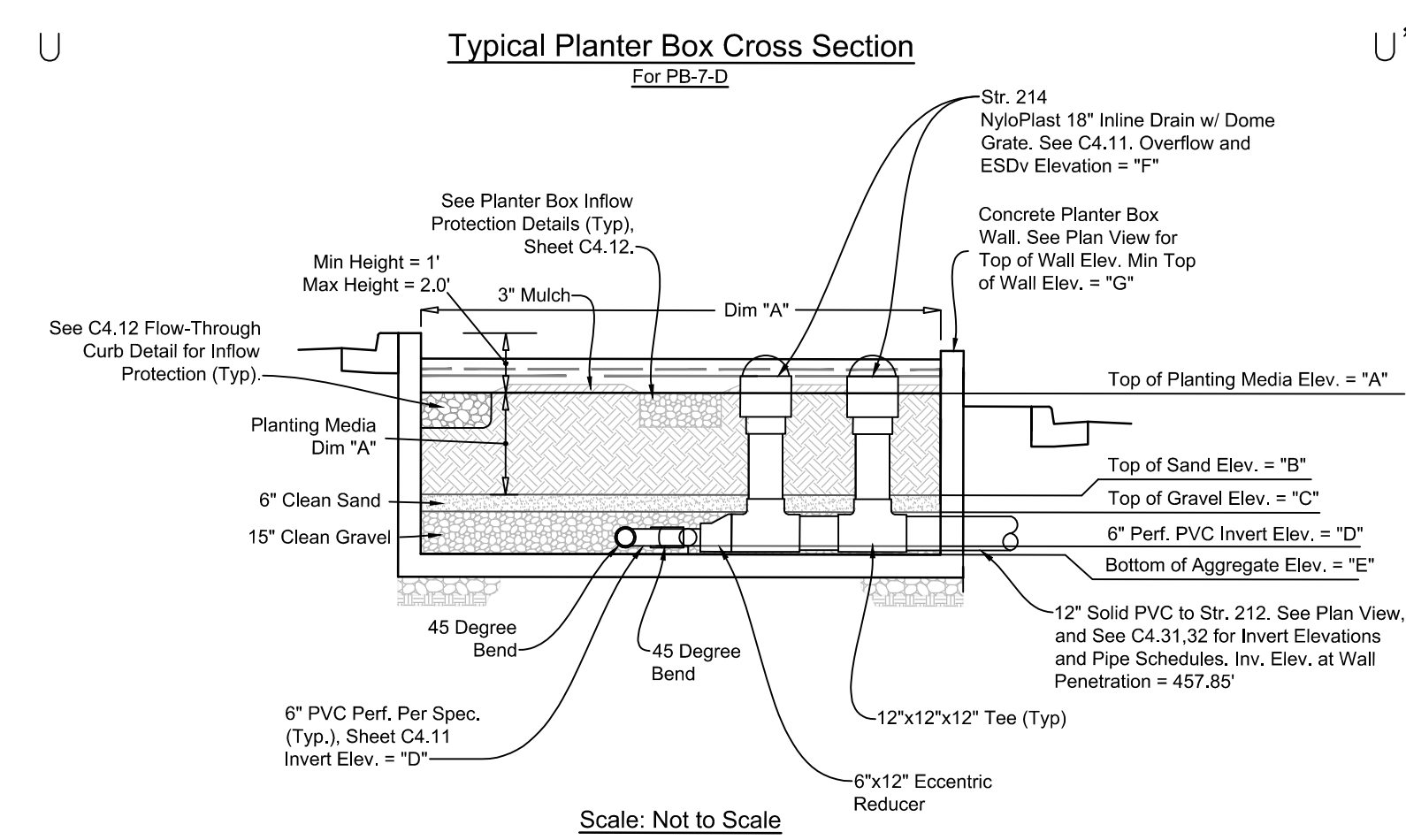
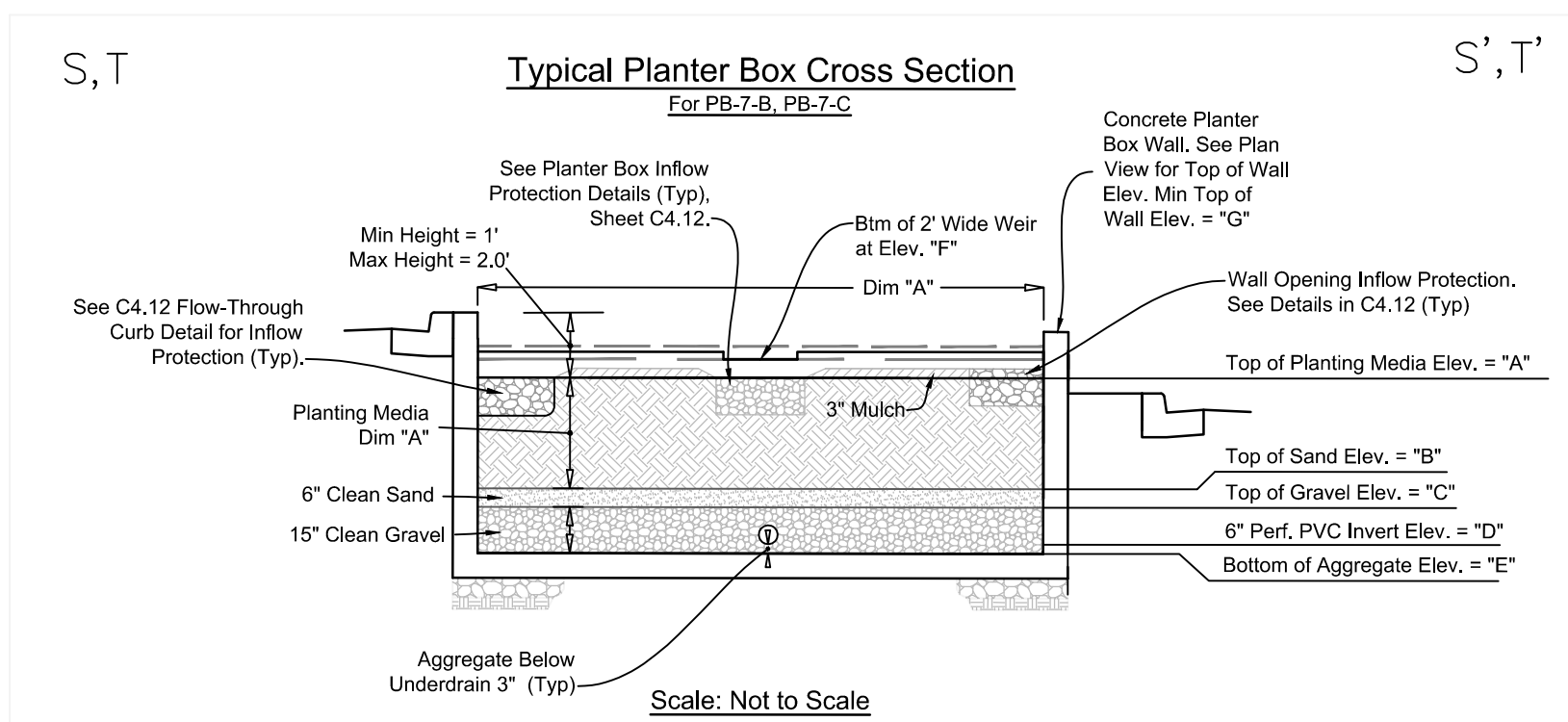
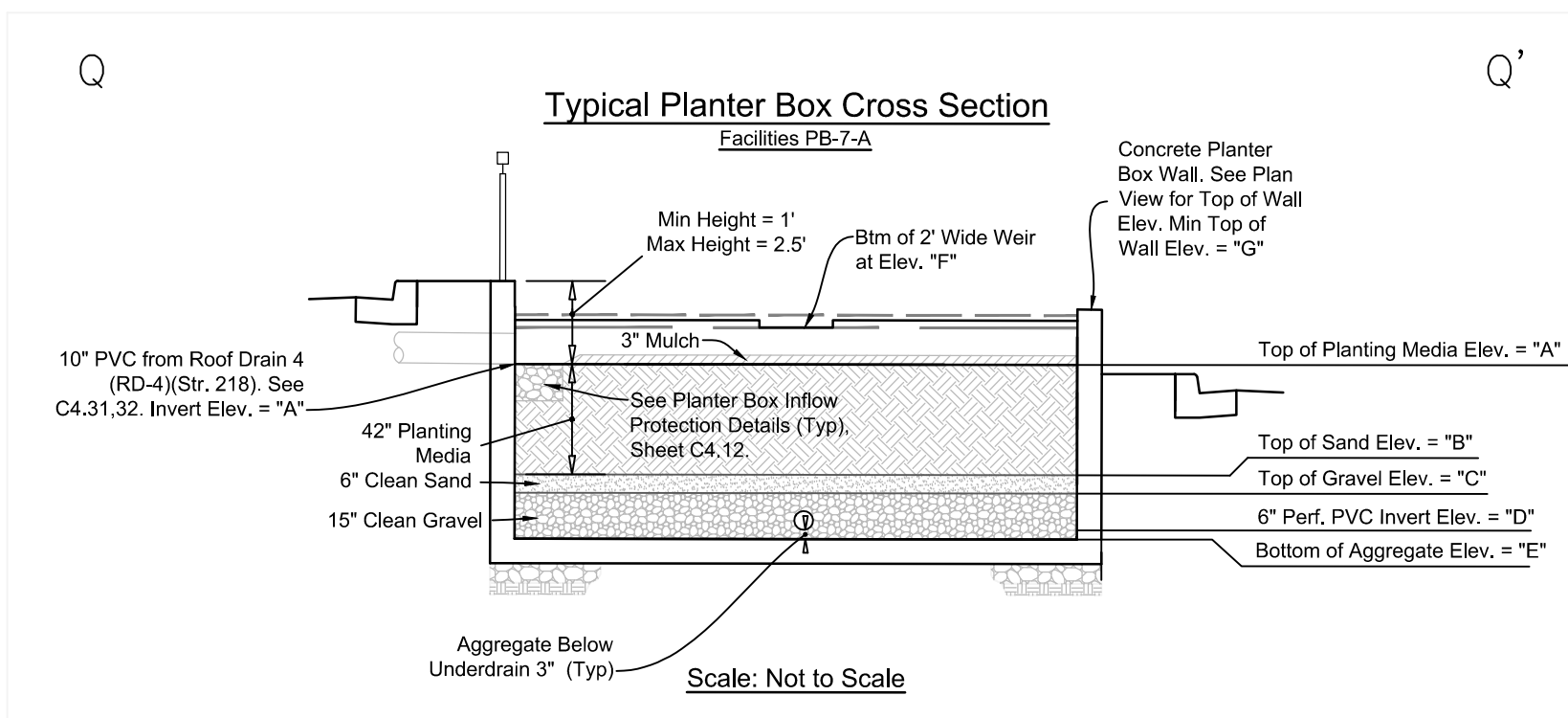
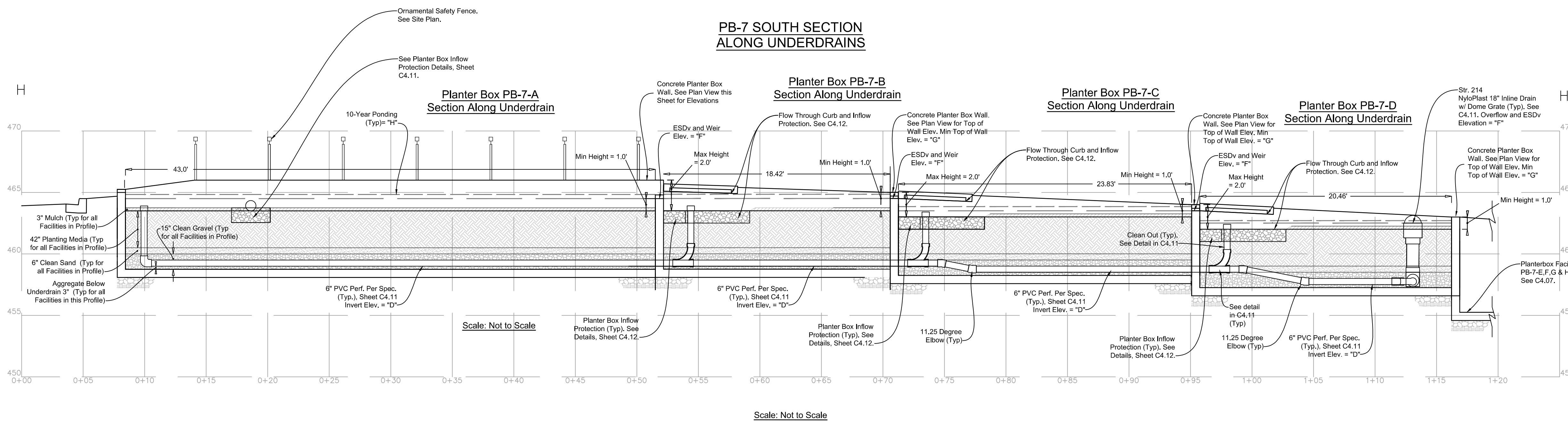


Micro-Bioretention Planter Box Detailed Plan View PB-7-A,B,C,D



PB-7 SOUTH SECTION
ALONG UNDERDRAINS



Micro-Bioretention Planter Box Facility PB-7-A,B,C, and D Design Information					
ID	Descriptor	Facility PB-7-A	Facility PB-7-B	Facility PB-7-C	Facility PB-7-D
Elev. "A"	Top of Planting Media	Design 463.50'	463.50'	463.00'	462.00'
	As-Built				
Elev. "B"	Top of Sand	Design 460.00'	460.00'	459.50'	458.50'
	As-Built				
Elev. "C"	Top of Gravel	Design 459.50'	459.50'	459.00'	458.00'
	As-Built				
Elev. "D"	PVC Underdrain Invert	Design 458.50'	458.50'	458.00'	457.00'
	As-Built				
Elev. "E"	Bottom of Aggregate	Design 458.25'	458.25'	457.75'	456.75'
	As-Built				
Elev. "F"	Weir/Overflow and ESDv Elev.	Design 464.50'	464.50'	463.50'	462.50'
	As-Built				
Elev. "H"	10-Year Ponding Elev.	Design 464.83'	464.84'	463.84'	462.71'
	As-Built				
Elev. "G"	Min. Top of Wall	Design 464.50'	464.50'	464.00'	463.00'
	As-Built				
Facility Surface Area		Design 573 sq. ft.	281 sq. ft.	364 sq. ft.	313 sq. ft.
ESDv Provided		Design 1,490 cu. ft.	731 cu. ft.	764 cu. ft.	537 cu. ft.
Total Perforated Underdrain Length for PB-7-E,F,G,H		Design 106.00'			
As-Built					
Receiving Storm Drain Str.		214	214	214	214
*See Detailed Plan Views & Details for More Information.					

NOTE: Contractor shall confirm that dimensions, inflow locations, roof leader locations and other design elements of ALL ESD/SWM facilities as shown on these plans are coordinated with architectural and other trade plans. If any discrepancies are found, the Contractor is to contact the design engineer and architect prior to proceeding with construction. Site utilities are to be constructed in locations shown. If a utility location is changed and is found to conflict with a ESD/SWM facility, the facility must be reviewed and approved by the County, Design Engineer, Architect and appropriate trade prior to utility construction. Modifications to the Stormwater Management Plan will require a formal revision to the plan with the Montgomery County Department of Permitting Services, which will include applicable plan revision fees, and may not be acceptable.

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR MICRO BIORETENTION FACILITY		PB-7-A		PB-7-B		PB-7-C		PB-7-D	
STAGE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDCPS Inspector twenty-four (24) hours notice (DPS telephone 311). The DPS Inspector may waive an inspection and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS Inspector in writing. Work completed without MCDCPS approval may result in the permittee having to remove and reconstruct the unapproved work. Upon completion of the project, a formal Stormwater Management As-Built must be submitted to MCDCPS unless a Record Drawing Certification has been allowed instead. Each of the steps listed below must be verified by either the MCDCPS Inspector OR the Owner/Developer.									
1. Excavation for Micro Bioretention facility conforms to approved plans									
2. Placement of stone backfill and underdrain system conforms to approved plans									
3. Placement of filter media conforms to approved plans									
4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans									
5. Final grading and permanent stabilization conforms to approved plans									

Design Engineer SWM Construction Observation Requirements

The contractor is required to contact the Design Engineer at (301) 670-0840 with at least 24 hours advance notice at the following stages of Micro-Bioretention (MB), Micro-Bioretention w/ Impervious Liner (MB(L)), Planter Box Micro-Bioretention (PB), and/or Bio-Swale (BS) facility construction:

- Facility excavation: MB, MB(L), BS
- Concrete slab and wall form work: PB
- Installation of impervious liner: MB(L)
- Aggregate installation
- Underdrain layout and installation
- Sand layer installation
- Planting media installation
- SWM plantings and landscaping installation

Failure to notify the Design Engineer may necessitate SWM facility reconstruction.

BIORETENTION FACILITY MAINTENANCE SCHEDULE	
TASK	RECOMMENDED INTERVAL
INSPECT AND REPAIR SOIL EROSION	MONTHLY AND AFTER HEAVY RAINS
REMOVE LEAVES, DEBRIS, TRASH, SILT, ETC. & REPLACE MULCH LAYER	MINIMUM 2 TIMES PER YEAR (SPRING AND FALL)
INSPECT PLANTS FOR DAMAGE & DISEASE/PEST PROBLEMS PRUNE AND TREAT PLANTS AS NEEDED & AS APPROPRIATE. PER SPEC'S. REMOVE AND REPLACE DEAD AND DISEASED PLANTS CONSIDERED BEYOND TREATMENT	MINIMUM 2 TIMES PER YEAR (3/15-4/30 and 10/1-11/30)

SWM PB-7-A,B,C,D PLAN VIEW AND DETAILS

ARCHITECT



9211 CORPORATE BLVD, SUITE 340
ROCKVILLE, MD 20850
301-770-8177(P) 301-330-3224(F)

CIVIL

MACRIS, HENDRICKS & GLASCOCK

9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20856
301-670-0840(P)

STRUCTURAL

COMPREHENSIVE

STRUCTURAL SOLUTIONS

9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20856
240-200-5599(P)

MECH/ELECTRICAL/PLUMBING

JAMES POSEY ASSOCIATES

11155 RED RUN BLVD, SUITE 310
BALTIMORE, MD 21117
410-265-6100(P)

KITCHEN

NYIKOS-GARCIA

FOODSERVICE DESIGN, INC

18219-A FLOWER HILL WAY
GAITHERSBURG, MD 20879
240-683-9530 (P)

SUSTAINABILITY

DOO CONSULTING, LLC

531 PICCADILLY ROAD
BALTIMORE, MD 21204
443-653-3792 (P)

CONSTRUCTION MANAGER

SKANSKA USA BUILDING INC.

700 KING FARM BLVD, SUITE 200
ROCKVILLE, MD 20850
301-795-3100 (P)

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No.: 16905, Expiration Date: 4.21.2022.

PROFESSIONAL SEAL:

PRINTS ISSUED

NO.	DESCRIPTION:	DATE:
1	BID DOCUMENTS	10/21/2020
2	ADDENDUM #2	11/25/2020
3	ADDENDUM #3	12/01/2020
4	ADDENDUM #4	12/03/2020

TAX MAP FTR2

PLAT 12762

9TH ELECTION DISTRICT
CITY OF GAITHERSBURG, MD

GAITHERSBURG

CLUSTER

ELEMENTARY

SCHOOL #8

MONTGOMERY

COUNTY PUBLIC

SCHOOLS

SHEET TITLE:

SOIL EROSION,

SEDIMENT CONTROL,

AND STORMWATER

MANAGEMENT PLAN

PROJECT NO:

19007

DATE:

12/04/20

SCALE:

1"=30'

SHEET NO:

C4.07

Sheet 13 of 28